1. \_\_\_\_\_\_\_\_\_\_

Test 2 & 3 Newton’s 1st Law and Linear Motion

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_ Class \_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_

**Answer 2 of the following**

1. Terminal velocity is often reported to be approximately 60 m/s for a typical skydiver in free fall. Exceptional skydivers are able to increase this value considerably . What methods can be used to increase terminal velocity?(4)
2. When sky diving, when does a parachutist reach terminal velocity? Give examples?
3. What happens (changes) when the sky diver reaches terminal velocity? Explain
4. When is an object in freefall? Give an example

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| # | Image | Given | Formula | Filled In | Answer/units |
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| 12 |  |  |  |  |  |
| 14 |  |  |  |  |  |
| 15 |  |  |  |  |  |
| 22 |  |  |  |  |  |